Put on Your Math Goggles: Discovering PreK-2 Mathematics in the Visual Arts and in Children's Literature

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Books by Robin A. Ward

Math + Art = Fun: Activities for Discovering the Mathematical Magic in Modern Art Numeracy and Literacy: Teaching K-8 Mathematics Using Children's Literature Literature-Based Activities for Integrating Mathematics with Other Content Areas (K-2)

Literature-Based Activities for Integrating Mathematics with Other Content Areas (3-5) Literature-Based Activities for Integrating Mathematics with Other Content Areas (6-8)

7 Elements of Art

• Line • Shape (2D) • Form (3D) • Space (perspective) • Color • Value • Texture

Jasper Johns

Figure 8 (1959)

Figure 7 (1969)

Figure 9 (1969)

0 Through 9 (1960)

Figure 1 (1969)

Numbers in Color (1958-59)

A Place for Zero by Angeline LoPresti

How Much, How Many, How Far, How Heavy, How Long, How Tall is 1000? by Helen Nolan

How Much Is a Million? by David Schwartz

A Million Dots by Andrew Clements

Big Numbers: And Pictures That Show Just How Big They Are by Edward Packard

The Day Anthony Counted to a Googol by Mark North

Jasper Johns (Adventures in Art Series) by Prestel

Wayne Thiebaud

Three Machines (1963)

Cakes (1963)

Big Suckers (1971)

What Is Round? by Rebecca Dotlich

Counting with Wayne Thiebaud by Susan Goldman Rubin

Delicious: The Life & Art of Wayne Thiebaud by Susan Goldman Rubin

The Donut Chef by Bob Staake

The Missing Piece by Shel Silverstein

Andy Warhol

Campbell Soup I (1968)

Ice Cream Dessert (1959)

Andy Warhol (Getting to Know the World's Greatest Artists Series) by Mike Venezia Uncle Andy's by James Warhola

Cubes, Cones, Cylinders, & Spheres by Tana Hoban

Mummy Math: An Adventure in Geometry by Cindy Neuschwander

Henri Matisse

The Family of the Artist (1911)

Woman in a Purple Coat (1937)

The Snail (1953)

Henri Matisse - The Snail

http://www.tate.org.uk/imap/pages/animated/cutout/matisse/snail.htm

Spirals in Nature http://xahlee.org/SpecialPlaneCurves_dir/Spiral_dir/spiral.html

Pattern Bugs by Trudy Harris

Pattern Fish by Trudy Harris

Lots and Lots of Zebra Stripes by Stephen Swinburne

Spirals, Curves, Fanshapes & Lines by Tana Hoban

Patterns in Peru: An Adventure in Patterning by Cindy Neuschwander

When Pigasso Met Mootisse by Nina Laden

Henri Matisse (Getting to Know the World's Greatest Artists Series) by Mike Venezia

Hans Arp

Collage with Squares Arranged According to the Laws of Chance (1916-17)

Squares Arranged According to the Laws of Chance (1917)

Probably Pistachio by Stuart Murphy

A Very Improbable Story by Edward Einhorn

If You Give a Moose a Muffin by Laura Numeroff

Other Useful Resources

I Spy Shapes in Art; I Spy Two Eyes: Numbers in Art; I Spy Colors in Art; etc., by Lucy Micklethwait

Museum Shapes and Museum 1 2 3 by The Metropolitan Museum of Art

Math + Art = Fun: Activities for Discovering the Mathematical Magic in Modern Art by

Robin Ward



Keep your math goggles on!

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